

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

EFS

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/552,324A
Source: FWO
Date Processed by STIC: 3/6/07

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/552,324A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please **ensure your subsequent submission is saved in ASCII text**.

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped
 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If **intentional**, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)

- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown."
 Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules

- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

- 13 Misuse of n/Xaa "**n**" can **only** represent a single nucleotide; "**Xaa**" can **only** represent a single amino acid



IFWO

RAW SEQUENCE LISTING

DATE: 03/06/2007

PATENT APPLICATION: US/10/552,324A

TIME: 11:16:32

Input Set : N:\efs\03_06_07\10552324A_efs\4518-0111PUS1-ST25.txt

Output Set: N:\CRF4\03062007\J552324A.raw

3 <110> APPLICANT: Igeneon Krebs-Immuntherapie Forschungs- & Entwickl
 5 <120> TITLE OF INVENTION: Immunogenic Recombinant Antibody
 7 <130> FILE REFERENCE: Immunogenic Recombinant AB
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/552,324A
 C--> 10 <141> CURRENT FILING DATE: 2005-10-07
 12 <160> NUMBER OF SEQ ID NOS: 5
 14 <170> SOFTWARE: PatentIn Ver. 2.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 3973
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Artificial Sequence
 21 <220> FEATURE:
 22 <223> OTHER INFORMATION: Description of Artificial Sequence mAB 17-1A
 24 <400> SEQUENCE: 1
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 27 atgacccaat ctcccaaate catgtccatg tcagtaggag agaggggtcac cttgacctgc 180
 W--> 28 aaggccagtg agaattgtgt tactttatgtt tcttgggtatc aacagaaacc agagcagttc 240
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 30 ggcagtggat ctgcaacaga ttctactctg accatcagca gtgtgcaggc tgaagacctt 360
 31 gcagattatc actgtggaca gggttacagc tatccgtaca cgttcggagg ggggaccaag 420
 32 ctggaaataa aacgggctga tgctgcacca actgtatcca tcttcccacc atccagttag 480
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 34 atcaatgtca agtggaaagt tgatggcagt gaacgacaaa atggcgctct gaacagttgg 600
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 37 cccattgtca agagcttcaa caggaatgag tgttagacgc gtggatccgc cctctccct 780
 38 ccccccccc taacgttact ggccgaagcc gcttggaata aggcgggtgt gcgtttgtct 840
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 41 tgttgaatgt cgtgaaggaa gcagttcctc tggaaagctt ttgaagacaa acaacgtctg 1020
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 50 actaattact tgatagagtg ggtaaagcag aggcctggac agggccttga gtggattggg 1560
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 53 gactctgcgg tctatttctg tgcaagagat ggtccctggg ttgcttactg gggccaaggg 1740

Does Not Comply
 Corrected Diskette Needed

see
 P.6
 please give the
 source of
 these
 monoclonal
 antibodies
 (see item 11
 on Euro
 summary
 sheet)

RAW SEQUENCE LISTING

DATE: 03/06/2007

PATENT APPLICATION: US/10/552,324A

TIME: 11:16:32

Input Set : N:\efs\03_06_07\10552324A_efs\4518-0111PUS1-ST25.txt

Output Set: N:\CRF4\03062007\J552324A.raw

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56 cctgagccag tgaccttgac ctggaactct ggatccctgt ccagtgggtgt gcacaccttc 1920
57 ccagtgttcc tgcagtctga cctctacacc ctcagcagct cagtgactgt aacctcgagc 1980
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93 <210> SEQ ID NO: 2

94 <211> LENGTH: 465

95 <212> TYPE: PRT

96 <213> ORGANISM: Artificial Sequence

98 <220> FEATURE:

99 <223> OTHER INFORMATION: Description of Artificial Sequence: mAB 17-1A

101 <400> SEQUENCE: 2

102 Met Glu Trp Ser Arg Val Phe Ile Phe Leu Leu Ser Val Thr Ala Gly

103 1 5 10 15

105 Val His Ser Gln Val Gln Leu Gln Gln Ser Gly Ala Glu Leu Val Arg

106 20 25 30

gwi
source

RAW SEQUENCE LISTING

DATE: 03/06/2007

PATENT APPLICATION: US/10/552,324A

TIME: 11:16:32

Input Set : N:\efs\03_06_07\10552324A_efs\4518-0111PUS1-ST25.txt

Output Set: N:\CRF4\03062007\J552324A.raw

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108 Pro Gly Thr Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ala Phe
109      35      40      45
111 Thr Asn Tyr Leu Ile Glu Trp Val Lys Gln Arg Pro Gly Gln Gly Leu
112      50      55      60
114 Glu Trp Ile Gly Val Ile Asn Pro Gly Ser Gly Gly Thr Asn Tyr Asn
115      65      70      75      80
117 Glu Lys Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser
118      85      90      95
120 Thr Ala Tyr Met Gln Leu Ser Ser Leu Thr Ser Asp Asp Ser Ala Val
121      100     105     110
123 Tyr Phe Cys Ala Arg Asp Gly Pro Trp Phe Ala Tyr Trp Gly Gln Gly
124      115     120     125
126 Thr Leu Val Thr Val Ser Ala Ala Lys Thr Thr Ala Pro Ser Val Tyr
127      130     135     140
129 Pro Leu Ala Pro Val Cys Gly Asp Thr Thr Gly Ser Ser Val Thr Leu
130      145     150     155     160
132 Gly Cys Leu Val Lys Gly Tyr Phe Pro Glu Pro Val Thr Leu Thr Trp
133      165     170     175
135 Asn Ser Gly Ser Leu Ser Ser Gly Val His Thr Phe Pro Ala Val Leu
136      180     185     190
138 Gln Ser Asp Leu Tyr Thr Leu Ser Ser Ser Val Thr Val Thr Ser Ser
139      195     200     205
141 Thr Trp Pro Ser Gln Ser Ile Thr Cys Asn Val Ala His Pro Ala Ser
142      210     215     220
144 Ser Thr Lys Val Asp Lys Lys Ile Glu Pro Arg Gly Pro Thr Ile Lys
145      225     230     235     240
147 Pro Cys Pro Pro Cys Lys Cys Pro Ala Pro Asn Leu Leu Gly Gly Pro
148      245     250     255
150 Ser Val Phe Ile Phe Pro Pro Lys Ile Lys Asp Val Leu Met Ile Ser
151      260     265     270
153 Leu Ser Pro Ile Val Thr Cys Val Val Asp Val Ser Glu Asp Asp
154      275     280     285
156 Pro Asp Val Gln Ile Ser Trp Phe Val Asn Asn Val Glu Val His Thr
157      290     295     300
159 Ala Gln Thr Gln Thr His Arg Glu Asp Tyr Asn Ser Thr Leu Arg Val
160      305     310     315     320
162 Val Ser Ala Leu Pro Ile Gln His Gln Asp Trp Met Ser Gly Lys Glu
163      325     330     335
165 Phe Lys Cys Lys Val Asn Asn Lys Asp Leu Pro Ala Pro Ile Glu Arg
166      340     345     350
168 Thr Ile Ser Lys Pro Lys Gly Ser Val Arg Ala Pro Gln Val Tyr Val
169      355     360     365
171 Leu Pro Pro Pro Glu Glu Glu Met Thr Lys Lys Gln Val Thr Leu Thr
172      370     375     380
174 Cys Met Val Thr Asp Phe Met Pro Glu Asp Ile Tyr Val Glu Trp Thr
175      385     390     395     400
177 Asn Asn Gly Lys Thr Glu Leu Asn Tyr Lys Asn Thr Glu Pro Val Leu
178      405     410     415
180 Asp Ser Asp Gly Ser Tyr Phe Met Tyr Ser Lys Leu Arg Val Glu Lys

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RAW SEQUENCE LISTING

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Input Set : N:\efs\03_06_07\10552324A_efs\4518-0111PUS1-ST25.txt

Output Set: N:\CRF4\03062007\J552324A.raw

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181          420          425          430
183 Lys Asn Trp Val Glu Arg Asn Ser Tyr Ser Cys Ser Val Val His Glu
184          435          440          445
186 Gly Leu His Asn His His Thr Thr Lys Ser Phe Ser Arg Thr Pro Gly
187          450          455          460
189 Lys
190 465
193 <210> SEQ ID NO: 3
194 <211> LENGTH: 243
195 <212> TYPE: PRT
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: mAB 17-1A
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202 Met His Gln Thr Ser Met Gly Ile Lys Met Glu Ser Gln Thr Leu Val
203 1 5 10 15
205 Phe Ile Ser Ile Leu Leu Trp Leu Tyr Gly Ala Asp Gly Asn Ile Val
206 20 25 30
208 Met Thr Gln Ser Pro Lys Ser Met Ser Met Ser Val Gly Glu Arg Val
209 35 40 45
211 Thr Leu Thr Cys Lys Ala Ser Glu Asn Val Val Thr Tyr Val Ser Trp
212 50 55 60
214 Tyr Gln Gln Lys Pro Glu Gln Ser Pro Lys Leu Leu Ile Tyr Gly Ala
215 65 70 75 80
217 Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg Phe Thr Gly Ser Gly Ser
218 85 90 95
220 Ala Thr Asp Phe Thr Leu Thr Ile Ser Ser Val Gln Ala Glu Asp Leu
221 100 105 110
223 Ala Asp Tyr His Cys Gly Gln Gly Tyr Ser Tyr Pro Tyr Thr Phe Gly
224 115 120 125
226 Gly Gly Thr Lys Leu Glu Ile Lys Arg Ala Asp Ala Ala Pro Thr Val
227 130 135 140
229 Ser Ile Phe Pro Pro Ser Ser Glu Gln Leu Thr Ser Gly Gly Ala Ser
230 145 150 155 160
232 Val Val Cys Phe Leu Asn Asn Phe Tyr Pro Lys Asp Ile Asn Val Lys
233 165 170 175
235 Trp Lys Ile Asp Gly Ser Glu Arg Gln Asn Gly Val Leu Asn Ser Trp
236 180 185 190
238 Thr Asp Gln Asp Ser Lys Asp Ser Thr Tyr Ser Met Ser Ser Thr Leu
239 195 200 205
241 Thr Leu Thr Lys Asp Glu Tyr Glu Arg His Asn Ser Tyr Thr Cys Glu
242 210 215 220
244 Ala Thr His Lys Thr Ser Thr Ser Pro Ile Val Lys Ser Phe Asn Arg
245 225 230 235 240
247 Asn Glu Cys
251 <210> SEQ ID NO: 4
252 <211> LENGTH: 243
253 <212> TYPE: PRT
254 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING

DATE: 03/06/2007

PATENT APPLICATION: US/10/552,324A

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Input Set : N:\efs\03_06_07\10552324A_efs\4518-0111PUS1-ST25.txt

Output Set: N:\CRF4\03062007\J552324A.raw

256 <220> FEATURE:

257 <223> OTHER INFORMATION: Description of Artificial Sequence: mAB 17-1A

259 <400> SEQUENCE: 4

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261 1 5 10 15

263 Phe Ile Ser Ile Leu Leu Trp Leu Tyr Gly Ala Asp Gly Asn Ile Val

264 20 25 30

266 Met Thr Gln Ser Pro Lys Ser Met Ser Met Ser Val Gly Glu Arg Val

267 35 40 45

269 Thr Leu Thr Cys Lys Ala Ser Glu Asn Val Val Thr Tyr Val Ser Trp

270 50 55 60

272 Tyr Gln Gln Lys Pro Glu Gln Ser Pro Lys Leu Leu Ile Tyr Gly Ala

273 65 70 75 80

275 Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg Phe Thr Gly Ser Gly Ser

276 85 90 95

278 Ala Thr Asp Phe Thr Leu Thr Ile Ser Ser Val Gln Ala Glu Asp Leu

279 100 105 110

281 Ala Asp Tyr His Cys Gly Gln Gly Tyr Ser Tyr Pro Tyr Thr Phe Gly

282 115 120 125

284 Gly Gly Thr Lys Leu Glu Ile Arg Arg Ala Asp Ala Ala Pro Thr Val

285 130 135 140

287 Ser Ile Phe Pro Pro Ser Ser Glu Gln Leu Thr Ser Gly Gly Ala Ser

288 145 150 155 160

290 Val Val Cys Phe Leu Asn Asn Phe Tyr Pro Lys Asp Ile Asn Val Lys

291 165 170 175

293 Trp Lys Ile Asp Gly Ser Glu Arg Gln Asn Gly Val Leu Asn Ser Trp

294 180 185 190

296 Thr Asp Gln Asp Ser Lys Asp Ser Thr Tyr Ser Met Ser Ser Thr Leu

297 195 200 205

299 Thr Leu Thr Lys Asp Glu Tyr Glu Arg His Asn Ser Tyr Thr Cys Glu

300 210 215 220

302 Ala Thr His Lys Thr Ser Thr Ser Pro Ile Val Lys Ser Phe Asn Arg

303 225 230 235 240

305 Asn Glu Cys

309 <210> SEQ ID NO: 5

310 <211> LENGTH: 243

311 <212> TYPE: PRT

312 <213> ORGANISM: Artificial Sequence

314 <220> FEATURE:

315 <223> OTHER INFORMATION: Description of Artificial Sequence: mAB 17-1A

317 <400> SEQUENCE: 5

318 Met His Gln Thr Ser Met Gly Ile Arg Met Glu Ser Gln Thr Leu Val

319 1 5 10 15

321 Phe Ile Ser Ile Leu Leu Trp Leu Tyr Gly Ala Asp Gly Asn Ile Val

322 20 25 30

324 Met Thr Gln Ser Pro Arg Ser Met Ser Met Ser Val Gly Glu Arg Val

325 35 40 45

327 Thr Leu Thr Cys Arg Ala Ser Glu Asn Val Val Thr Tyr Val Ser Trp

328 50 55 60

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/552,324A

DATE: 03/06/2007
TIME: 11:16:33

Input Set : N:\efs\03_06_07\10552324A_efs\4518-0111PUS1-ST25.txt
Output Set: N:\CRF4\03062007\J552324A.raw

err explanation
Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 213,288

FyI
Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:5; Line(s) 368,369,370,371,372,373,374,375,376,377,378,379,380,381,382

7

VERIFICATION SUMMARY

DATE: 03/06/2007

PATENT APPLICATION: US/10/552,324A

TIME: 11:16:33

Input Set : N:\efs\03_06_07\10552324A_efs\4518-0111PUS1-ST25.txt

Output Set: N:\CRF4\03062007\J552324A.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:28 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:1
L:28 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:1
L:28 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:180
M:341 Repeated in SeqNo=1